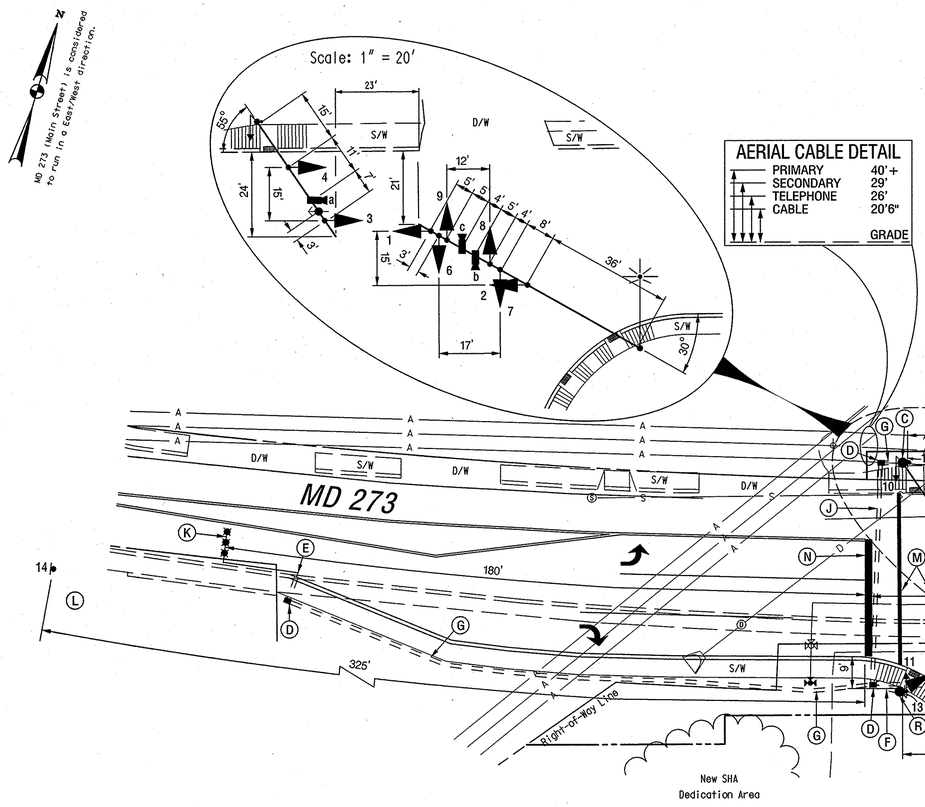
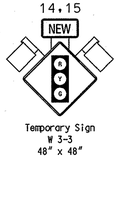


PROPOSED SIGN

12

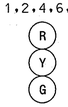
13

14,15

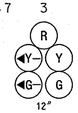


PROPOSED SIGNALS

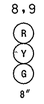
1,2,4,6,7



3



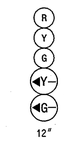
8,9



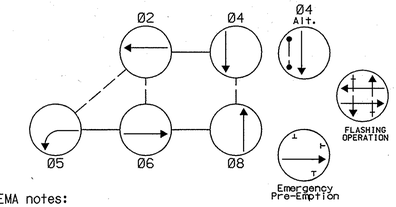
a,b,c

10,11

5



PROPOSED NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

CONSTRUCTION DETAILS

A. Install base mounted NEMA six cabinet/controller and necessary equipment.
B. Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, video detection cameras, opticom detector, 20 ft. luminaire arm, 250 watt HPS luminaire, and necessary equipment for an overhead MD-SHA Type 807.04-01 electrical service and phone service (Note: one 2 in. & one 3 in. PVC conduit bends).
C. Install 15 ft. "T" steel mono curve steel mast arm pole with a 38 ft. mast arm, vehicle signal heads, video detection camera, opticom detector, countdown pedestrian signal head, APS pushbutton station, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted.
K. Install micro-loop probe (set of 3).
L. Install ground mounted sign as shown.
M. 12 in. wide pavement marking - white for crosswalk to be installed by Road Contractor.
N. 24 in. wide pavement marking - white for stop line to be installed by Road Contractor.
O. Proposed overhead electrical service by Conectiv.
P. Proposed overhead phone service by Verizon.
Q. Remove and replace concrete sidewalk.
R. Install 14 ft. steel pedestal pole on break away base with vehicle signal head, countdown pedestrian signal head, APS pushbutton station, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).

Rising Sun Shopping Center
Western Site Access

NOTES
1. Conduit to be installed prior to installation of sidewalks.
2. The contractor shall verify all proposed pole and cabinet locations prior to installation.
3. Pavement markings detailed are proposed and are to be installed by the Road Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
4. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
5. Poles are to be located so that they can be activated by a person in a wheelchair from a 60 in. x 60 in. level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
6. If the location of accessible pedestrian signal pushbutton must be changed. The contractor shall notify the Project Engineer to obtain approval for the new location to ensure MUTCD Sec. 4E.09 & Fig. 4E-2 and the NCHRP publication, "Accessible Pedestrian signals: Guide to Best Practice". If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the director, Office of Traffic and Safety.
7. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
8. Contractor shall be responsible for delivering APS equipment for programing to MD-SHA Signal Maintenance Shop.
9. Pushbuttons are to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
10. The 10 ft. separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.

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Fax 410-931-6601

BY: FBrownley

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD STORM DRAIN
G GAS MAIN
W WATER MAIN
S SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES
F FIBER-OPTIC

These plans are approved for construction for a period of 1 year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a review from the Traffic Engineering Design Division.

APPROVALS		REVISIONS
TEAM LEADER	5/25/07	
ASST. DIV. CHIEF	5/25/07	
DIVISION CHIEF	5/25	
OFFICE DIRECTOR		

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

Rising Sun Shopping Center
MD 273 (Main Street) @ Western Site Access

Traffic Signal Plan

SCALE 1" = 20' DATE May 24, 2007 CONTRACT NO. BW996M82

DESIGNED BY J. Dimdorfer COUNTY CECIL
DRAWN BY J. Dimdorfer LOGMILE
CHECKED BY [illegible] TIMS NO. I-016
FAP NO. N/A TOD NO. –

TS NO. 4511 | DRAWING – OF | SHEET NO. 1 OF 3

PLOTTED: Thursday, May 24, 2007 AT 09:55 AM
FILE: P:\2006\2005-1012\Desi\pSIG-P001_MD273-writeaccess.dgn